

# Conference Announcement

## Organizers

- ↪ Mohamed Rachid Hilali, Faculté des Sciences Ain Chock, Casablanca
- ↪ My Ismail Mamouni, CRMEF Rabat

## Public concerned

- ↪ Master students in Topological Robotics
- ↪ PhD students in Topological Robotics
- ↪ All Students interested
- ↪ All researchers interested

## Abstract

This talk will give an introduction to Topological Complexity (TC). This is a numerical homotopy invariant, defined by Michael Farber, which has relevance for the motion planning problem in Robotics. After showing how to compute TC of some well-known spaces, we will discuss some open problems and possible directions of future research.

## Mark Grant



- ↪ [homepages.abdn.ac.uk/mark.grant/](http://homepages.abdn.ac.uk/mark.grant/)page
- ↪ organizer of the UK research network Applied Algebraic Topology
- ↪ keen participant at MathOverflow

## Affiliates

Moroccan Area of Algebraic Topology



<http://algotop.net/>

Fac. Sciences Ain Chock Casablanca



<http://http://fsac.ac.ma/>

## Program

On the sidelines of its  
Monthly Seminar

MAAT

Organizes at

10h, April 18, 2015

Faculté des Sciences Ain Chock, Casablanca

A conference animated

Mark Grant  
University of Aberdeen, Scotland.

entitled

Computations of topological complexity.